

Recombinant Human chloride channel, nucleotide-sensitive, 1A, His-tagged

Cat. No. CLNS1A-360H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CLNS1A, 1-237aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-237 a.a.
Description	CLNS1A, also as known as, Methylosome subunit pICln, belongs to the pICln (TC 1.A.47) family. CLNS1A protein has functions in multiple regulatory pathways. This protein interaction with Sm proteins inhibits their assembly on U RNA and interferes with snRNP biogenesis. It is Inhibits the binding of survival motor neuron protein (SMN) to Sm proteins. And this protein is also found associated with the plasma membrane where it functions as a chloride current regulator. Recombinant human CLNS1A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 2mM DTT
Molecular Mass	28.8kDa (261aa) confirmed by MALDI-TOF(Molecular size on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSFLKS FPPGPAEGL LRQQPDTEAV

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LNGKGLGTGT LYIAESRLSW LDGSGLGFSL EYPTISLHAL SRDRSDCLGE
 HLYVMVNAKF EEESKEPVAD EEEEDSDDDV EPITEFRFVP SDKSALEAMF
 TAMCECQALH PDPEDEDSDD YDGEEYDVEA HEQGQGD IPT FYTYEEGLSH
 LTAEGQATLE RLEGMLSQSV SSQYNMAGVR TEDSIRDYED GMEVDTTPTV
 AGQFEDADVD H

Purity >90% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [CLNS1A chloride channel, nucleotide-sensitive, 1A \[Homo sapiens \]](#)

Official Symbol CLNS1A

Synonyms CLNS1A; chloride channel, nucleotide-sensitive, 1A; CLCI; methylosome subunit pICln; ICln; i(Cln); reticulocyte pICln; reticulocyte protein ICln; chloride channel regulatory protein; chloride ion current inducer protein; chloride channel, nucleotide sensitive 1A; chloride conductance regulatory protein ICln; CLNS1B;

Gene ID [1207](#)

mRNA Refseq [NM_001293](#)

Protein Refseq [NP_001284](#)

MIM [602158](#)

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UniProt ID	P54105
Chromosome Location	11q13.5-q14
Pathway	Gene Expression, organism-specific biosystem; Metabolism of non-coding RNA, organism-specific biosystem; RNA transport, organism-specific biosystem; RNA transport, conserved biosystem; snRNP Assembly, organism-specific biosystem;
Function	protein binding;

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